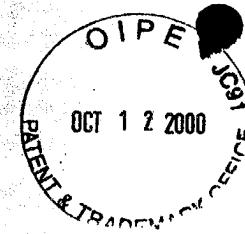


(18)



JAPANESE PATENT OFFICE



PATENT ABSTRACTS OF JAPAN

(11) Publication number: 08055956 A

(43) Date of publication of application: 27. 02. 96

(61) Int. Cl

H01L 25/07
H01L 25/18

(21) Application number: 06167976

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(22) Date of filing: 10. 08. 94

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(54) DRIVE CIRCUIT DEVICE MODULE

(57) Abstract:

PURPOSE: To reduce the wiring lengths of the internal wiring for control signals of an intelligent module such that a control function is incorporated into a drive circuit device of a bridge connection for an inverter device etc., while suppressing an increase in size of the module or in cost.

CONSTITUTION: Chips of power semiconductor devices 10 are arranged in a long-side direction of a square on a rectangular plate-like base 30 of a module 70, and also corresponding chips of a control input circuit 20 are slid in a direction perpendicular to a long side and mounted. Input terminals P, N for a main circuit and output terminals U, V, W are arranged along a long side of the base 30 on an arrangement side of the semiconductor devices 10 and a control input terminal Tc is arranged along a long side on an arrangement side of the control input circuit 20, respectively. The semiconductor devices 10 corresponding to each input/output terminal are connected via a conductor 40, and the control input terminal Tc is connected with each control input circuit 20 via a wiring board 50, respectively.

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